

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION STRUCTURE BORING LOG										Page 1 Of 1
ROUTE _____ DESCRIPTION Metra Bridge over LaGrange Road										Date 8/18/04
SECTION _____ STRUCTURE NO. _____ DRILLED BY SEECO Consultants Inc./GF										
COUNTY Cook LOCATION Orland Park, IL										
Boring No. B-1	D	B			Surf. Wat. El. N.A.	D	B			
Station _____	E	L			Groundwater Elev.: _____	E	L			
Offset _____	P	O			When Drilling 8' (672.5)	P	O			
	T	W	QU	W	at Completion 15' (665.5)	T	W	QU	W	
Surface El. +680.48 M.S.L.	H	S	TSF	%	After _____ Hrs	H	S	TSF	%	
FILL: SILTY CLAY LOAM, Gray and Black, Trace Gravel (A-5)	1.0					42.0				
CLAY LOAM, Brown and Gray, Trace Fine Gravel, Trace Sand, Very Stiff, Moist (A-6)	2.0	7	3.3	21.3		43.0				
	3.0		P			44.0	27	3.5	18.6	
	4.0					45.0				
	5.0	17	3.0	21.9	SILT, Gray, Trace Sand, Medium Dense to Dense, Moist (A-4)	46.0				
	6.0		B			47.0				
CLAY, Gray, Trace Brown, Trace Fine Gravel, Trace Sand, Very Stiff to Medium to Very Stiff, Moist (A-6)	7.0					48.0				
	8.0	13	3.8	27.7		49.0	24		17.9	
	9.0					50.0				
	10.0					51.0				
	11.0	14	1.0	16.7		52.0				
	12.0		P			53.0				
LL = 25 PL = 14	13.0				SILT, Gray, Trace Clay, Trace Sand, Dense to Medium Dense, Moist (A-4)	54.0	27		17.1	
	14.0	13	0.5	13.9		55.0				
	15.0		B			56.0				
	16.0					57.0				
	17.0					58.0				
	18.0					59.0	36		16.9	
	19.0	20	3.0	13.6		60.0				
	20.0		B			61.0				
	21.0					62.0				
	22.0					63.0				
	23.0					64.0	37		17.5	
	24.0	22	3.0	13.7		65.0				
	25.0		P			66.0				
	26.0					67.0				
	27.0					68.0				
	28.0					69.0	14		18.0	
	29.0	21	3.0	12.6		70.0				
	30.0		P		END OF BORING @ 70 FEET	71.0				
	31.0					72.0				
	32.0					73.0				
	33.0					74.0				
Silt Lense at 39 feet	34.0	19	2.8	12.5		75.0				
	35.0		P			76.0				
	36.0					77.0				
	37.0		P			78.0				
	38.0					79.0				
	39.0	26	3.5	20.1		80.0				
	40.0					81.0				
	41.0					82.0				

N=Standard Penetration Test-Blows per foot to drive 2" O.D.
Split Spoon Sampler 12" with 140lb hammer falling 30"

(QU)B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet
Offset is from edge of traveled Pavement

SEECO Job No. 7947C

ILLINOIS DEPARTMENT OF TRANSPORTATION STRUCTURE BORING LOG										Page 1 Of 1
ROUTE _____ DESCRIPTION Metra Bridge over LaGrange Road										Date 8/23/04
SECTION _____ STRUCTURE NO. _____ DRILLED BY SEECO Consultants Inc./GF										
COUNTY Cook LOCATION Orland Park, IL										
Boring No. B-2	D	B			Surf. Wat. El. N.A.	D	B			
Station _____	E	L			Groundwater Elev.: _____	E	L			
Offset _____	P	O			When Drilling 14' (665.6)	P	O			
	T	W	QU	W	at Completion 11' (678.6)	T	W	QU	W	
Surface El. +679.60 M.S.L.	H	S	TSF	%	After _____ Hrs	H	S	TSF	%	
FILL: SILTY CLAY LOAM, Gray and Black, Trace Gravel (A-5)	1.0					42.0				(A-4)
CLAY, Brown and Gray, Trace Fine Gravel, Trace Sand, Very Stiff, Moist (A-6)	2.0	6	3.8	21.4		43.0				
	3.0		P			44.0	23		18.4	
	4.0					45.0				
	5.0	12	3.3	22.3		46.0				
	6.0		P			47.0				
CLAY, Gray, Trace Fine Gravel, Trace Sand, Very Stiff, Moist (A-6)	7.0					48.0				
	8.0	16	3.0	22.8		49.0	26		17.5	
	9.0		P			50.0				
	10.0					51.0				
	11.0	18	3.5	14.9		52.0				
DD = 120.0 pcf	12.0		B			53.0				
	13.0					54.0	39		16.7	
	14.0	17	3.0	18.6		55.0				
	15.0		P			56.0				
	16.0					57.0				
	17.0					58.0				
SILTY CLAY, Brownish Gray, Trace Fine Gravel, Trace Sand, Medium, Moist (A-6)	18.0					59.0	38		16.5	
	19.0	9	0.9	18.3		60.0				
DD = 118.5 pcf	20.0		B			61.0				
	21.0					62.0				
	22.0					63.0				
	23.0					64.0	14		17.3	
SILTY CLAY LOAM, Gray, Trace Fine Gravel, Trace Sand, Very Stiff to Hard, Moist (A-4)	24.0	16	2.3	14.0		65.0				
	25.0		P			66.0				
LL = 19 PL = 14	26.0					67.0				
	27.0					68.0				
	28.0					69.0	54		18.6	
DD = 127.5 pcf	29.0	17	2.5	15.6		70.0				
	30.0		P			71.0				
	31.0					72.0				
	32.0					73.0				
	33.0					74.0	61		17.4	
	34.0	16	4.0	13.7		75.0				
DD = 132.5 pcf	35.0		P			76.0				
	36.0					77.0				
	37.0					78.0				
	38.0					79.0	20	3.8	17.5	
	39.0	24	4.0	16.0		80.0				
	40.0		19.6			81.0				
SILT, Gray, Trace Clay, Trace Sand, Medium Dense, Moist (A-4)	41.0					82.0				

N=Standard Penetration Test-Blows per foot to drive 2" O.D.
Split Spoon Sampler 12" with 140lb hammer falling 30"

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SEECO Job No. 7947G

DESIGNED - JCE
CHECKED - JCA
DRAWN - JCE
CHECKED - JCA

SOIL BORING LOGS
STRUCTURE NO. 016-6201

SHEET NO. 23	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	330	73 R-B	COOK	136	75
25 SHEETS	CONTRACT NO. 60K64		DATE: 12/17/10 ILLINOIS FED. AID PROJECT		

McDonough Associates Inc.
Engineers / Architects
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